

**KONDRAIN®**



## **Condensate Drains**

**Intelligent Condensate Drainage**

## Fully automatic Condensate Drainage from Compressed Air and Gas Systems without Compressed Air Loss

**Simply Brilliant, Brilliantly simple! The globally proven alternative for the most reliable and cost effective Drainage of Compressor Condensate.**

As a result of the physical condition of compression and condensation processes significant amounts of condensate always accumulate in the compressed air system. In addition to the amount of water (precipitated moisture) it also contains dirt, fine dust, particles and oil.

To achieve application-specific compressed air quality, but also to protect production processes, installations and products from damage, failure or even destruction at the same time, it is imperative that condensate be drained from the compressed air system.



### 1. Premium Reliability

The **KONDRAIN®** series offers the highest level regulated, fully automated reliability. This helps avoid condensate breaches and contamination in the compressed air system that is difficult to reverse. At the same time **KONDRAIN®** reliably protects compressed air-driven installations, control systems, production processes and, ultimately, product quality. The KSI series features an extreme performance spectrum and is therefore capable of reliably discharging condensate types ranging in consistency from 100% oil to 100% water. This provides the highest degree of safety for your compressed air system.

### 2. Premium Cost Effectiveness

Compressed air generation is as necessary as it is cost intensive. **KONDRAIN®** in a level-controlled, electronic version offers the most effective solution in order to make the most cost effective use possible:

- The intelligent level regulation ensures no unnecessary air loss and therefore no energy loss.
- Condensate is only removed safely and securely when it has accumulated in the drain. This makes the best cost effectiveness for the compressed air system possible at the best price/performance ratio.

As a result KSI **KONDRAIN®** condensate drains contribute globally to significantly increasing the efficiency of production sites.



### The **KONDRAIN® Plus-Effect +++**

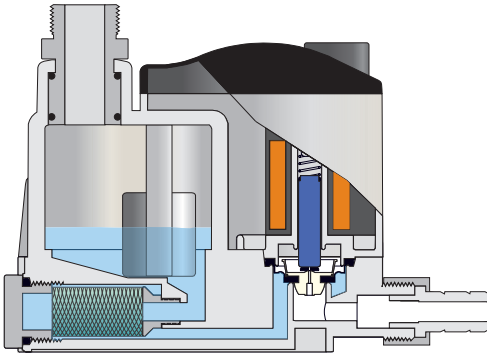
- + no unnecessary compressed air loss saves operating costs
- + proven technology, suitable for every condensate type
- + maximizes operational reliability by protecting installations, processes and products
- + assures demand-appropriate compressed air quality
- + robust quality, long service life
- + intelligent control, fully automatic monitoring
- + immune to dirt because of integrated sieve filter
- + very service-friendly
- + excellent price/performance ratio

## KONDRAIN® N

### Level-Regulated Electronic Condensate Drain

KONDRAIN® N is a high-performance condensate drain that measures the condensate level internally and discharges it using level control, resulting completely without compressed air loss, at maximum condensate volume. The level regulation is reliably assured via the industrial reed contact and float technology that has proven itself millions of

times all over the world. This means that a contact float unit that is process-conforming specifically for condensate technology triggers the opening of the release valve when the maximum level is reached for the exact duration until the drain minimum level is reached, allowing the valve to close again.



#### Performance Properties:

- flexible connection, a 90° rotatable connection facilitates flexible installation
- highly durable Viton membrane => more reliability and long service life
- maximum protection for membrane and function through integrated filter
- functional test is possible at any time via a test button, which can also be used for manual emptying
- self monitoring using intelligent control
- operational protection through auto reset function
- status message in the case of alarm (except model N1)
- zero-voltage contact (except model N1)
- voltage display (except model N1)
- consistent performance level for condensate ranging from 100% oil to 100% water
- just one service kit for the entire series
- ecologically & economically reasonable

## KONDRAIN® KMT

### Time-Controlled Condensate Drain with Adjustable Interval Time



#### Performance Properties:

- simplest operation
- most compact dimensions
- interval time can be optimized anytime
- instantly understandable opening interval
- manual discharge possible at any time via test button
- highest functional reliability
- as KONDRAIN® KMT-HP for pressures of 50, 100 and 350 bar available

# KONDRAIN® N

## Level-Regulated Condensate Drain



Specification   Model	N1	N5	N10	N30	N160
<b>Output: Compressor</b>	353 cfm   10 m³/min	265 cfm   7,5 m³/min	530 cfm   15 m³/min	1060 cfm   30 m³/min	5580 cfm   158 m³/min
<b>Output: Dryer</b>	706 cfm   20 m³/min	530 cfm   15 m³/min	1060 cfm   30 m³/min	2120 cfm   60 m³/min	11160 cfm   316 m³/min
<b>Output: Filter</b>	3530 cfm   100 m³/min	2650 cfm   75 m³/min	5300 cfm   150 m³/min	10600 cfm   300 m³/min	55800 cfm   1580 m³/min
<b>Zero-voltage alarm output</b>	no	yes	yes	yes	yes
<b>Operating pressure</b>	0,2 to 16 bar				
<b>Operating temperature</b>	1 to 60°C				
<b>Available voltage types</b>	24 V ac (24 V dc upon request) 115 V 50/60 Hz 230 V 50/60 Hz				
<b>Protective class</b>	IP 65				

## Options



Heaters

only one spare parts kit for the entire series

Floor mounting set

optional connection of reciprocating line

# KONDRAIN® KMT

## Time-Controlled Condensate Drain with Adjustable Interval Times

SPECIFICATION/MODEL	KMT
<b>Output: Compressor</b>	2100 cfm   60 m³/min
<b>Output: Dryer</b>	4200 cfm   120 m³/min
<b>Output: Filter</b>	21000 cfm   600 m³/min
<b>Operating pressure</b>	0,2 to 16 bar
<b>Operating temperature</b>	1 to 65°C
<b>Available voltage types</b>	115 V 50/60 Hz 230 V 50/60 Hz
<b>Protective class</b>	IP 65

